



2017 Hurricane Harvey Deployment
Arkema Site and Rapid Needs Assessment Positive Chemical Detections
9/4/2017 6:04:37 PM



Date	Flight #	Primary Mission	Compound	Limit of Detection (ppm)	Detections*
8/29	1	Systems Check	na	na	na
8/30	2	Arkema Site	No Detections	na	na
8/31	3	Arkema Site	No Detections	na	na
8/31	4	Arkema Site	Peroxide	5.3	Trace
8/31	5	Arkema Site	Peroxide	5.3	Trace
9/1	6	Arkema Site	No Detections	na	na
9/1	7	Arkema Site & Zone 5 RNA	Peroxide (Arkema) Zone 5: 1-3 butadiene	5.3 5	Trace, multiple passes Trace
9/1	8	Arkema Site (Fires)	Peroxide	5.3	Trace, multiple passes
9/2	9	Arkema Site & Zones 5 & 6 RNA	Zone 6: 1-3 butadiene	5	7 ppm (max)
9/2	10	Arkema Site & Zone 6 RNA	Peroxide	5.3	Trace, multiple passes
9/2	11	Arkema Site	Peroxide	5.3	Trace Trace Trace
9/3	12	Arkema Site Zone 6 & 7 RNA	Arkema: Peroxide Zone 6: isobutylene Zone 6: isoprene Zone 6: 1-butene Zone 7: SO ₂	5.3 8.5 6.5 12.0 1.5	Trace Trace Trace Trace Trace
9/3	13	Arkema Site	Peroxide	5.3	7.7 ppm (max)
9/4	14	Zone 7 RNA	No Detections	na	na
9/4	15	Zone 4 RNA	TBD		

* "Trace" detection represent a value slightly above (about 1 ppm) the limit of detection.